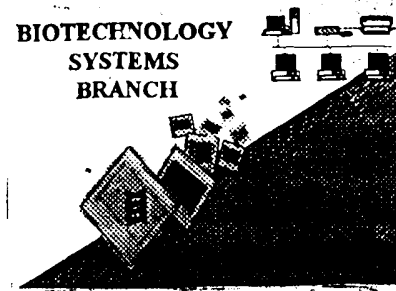# RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: _10/017,672_

Source: _OIPE_

Date Processed by STIC: _12/31/2001_

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
1) **INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
2) **TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.
PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)
PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:
> **http://www.uspto.gov/web/offices/pac/checker**

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail. Please consider using alternate methods of submission for the disk CD-Rom or replacement disk CD-Rom, including

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm> , EFS Submission User Manual - ePAVE)
2. U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:
   U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
         Or
   . . . . Window, Lobby, Room 1B03, Crystal Plaza Two,

Raw Sequence Listing Error Summary

ERROR DETECTED	SUGGESTED CORRECTION	SERIAL NUMBER: _10/017,672_

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWAF

1 _____ Wrapped Nucleics
Wrapped Aminos

The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."

2 _____ Invalid Line Length

The rules require that a line not exceed 72 characters in length. This includes white spaces.

3 _____ Misaligned Amino
Numbering

The numbering under each 5ᵗʰ amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.

4 _____ Non-ASCII

The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.

5 _✓_ Variable Length

Sequence(s) _13-15 (maybe more)_ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.

6 _____ PatentIn 2.0
"bug"

A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.

7 _____ Skipped Sequences
(OLD RULES)

Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 (i)   SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
This sequence is intentionally skipped

Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.

8 _____ Skipped Sequences
(NEW RULES)

Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence.
<210> sequence id number
<400> sequence id number
000

9 _____ Use of n's or Xaa's
(NEW RULES)

Use of n's and/or Xaa's have been detected in the Sequence Listing.
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

10 _____ Invalid <213>
Response

Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence

11 _____ Use of <220>

Sequence(s) _____ missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 06/01/1998, Vol. 63, No 104, pp. 29631-32)   (Sec. 1.823 of Sequence Rules)

12 _____ PatentIn 2.0
"bug"

Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

13 _____ Misuse of n

n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.

OIPE

RAW SEQUENCE LISTING   DATE: 12/31/2001
PATENT APPLICATION: US/10/017,672   TIME: 12:47:15

Input Set : A:\582316_1.txt
Output Set: N:\CRF3\12312001\J017672.raw

PP45

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 3  <110> APPLICANT: Nishikawa, Kiyotaka
 4         Lai, Jack
 5         Songyang, Zhou
 6         Yaffe, Michael B.
 7         Cantley, Lewis C.
 9  <120> TITLE OF INVENTION: Binding Compounds and Methods for Identifying Binding
Compounds
11  <130> FILE REFERENCE: C1123/7001 (JRV)
13  <140> CURRENT APPLICATION NUMBER: US/10/017,672
14  <141> CURRENT FILING DATE: 2001-12-14
16  <150> PRIOR APPLICATION NUMBER: US 60/255,586
17  <151> PRIOR FILING DATE: 2000-12-14
19  <160> NUMBER OF SEQ ID NOS: 23
21  <170> SOFTWARE: PatentIn version 3.1
23  <210> SEQ ID NO: 1
24  <211> LENGTH: 15
25  <212> TYPE: PRT
26  <213> ORGANISM: Artificial Sequence
28  <220> FEATURE:
29  <223> OTHER INFORMATION: Synthetic Peptide
31  <220> FEATURE:
32  <221> NAME/KEY: MISC_FEATURE
33  <222> LOCATION: (3)..(6)
34  <223> OTHER INFORMATION: Xaa = any amino acid except Trp, Cys or Tyr
36  <220> FEATURE:
37  <221> NAME/KEY: MISC_FEATURE
38  <222> LOCATION: (8)..(11)
39  <223> OTHER INFORMATION: Xaa = any amino acid except Trp, Cys or Tyr
41  <400> SEQUENCE: 1
43  Met Ala Xaa Xaa Xaa Xaa Tyr Xaa Xaa Xaa Xaa Ala Lys Lys Lys
44  1               5                   10                  15
47  <210> SEQ ID NO: 2
48  <211> LENGTH: 9
49  <212> TYPE: PRT
50  <213> ORGANISM: Artificial Sequence
52  <220> FEATURE:
53  <223> OTHER INFORMATION: Synthetic Peptide
55  <220> FEATURE:
56  <221> NAME/KEY: MISC_FEATURE
57  <222> LOCATION: (1)..(1)
58  <223> OTHER INFORMATION: Xaa = Lys, Gln or Ile
60  <220> FEATURE:
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68  <223> OTHER INFORMATION: Xaa = Ile or Leu
70  <220> FEATURE:
71  <221> NAME/KEY: MISC_FEATURE
72  <222> LOCATION: (4)..(4)
73  <223> OTHER INFORMATION: Xaa = Leu, Ile or Thr
75  <220> FEATURE:
76  <221> NAME/KEY: MISC_FEATURE
77  <222> LOCATION: (6)..(6)
78  <223> OTHER INFORMATION: Xaa = Leu, Ile, Thr or Val
80  <220> FEATURE:
81  <221> NAME/KEY: MISC_FEATURE
82  <222> LOCATION: (7)..(7)
83  <223> OTHER INFORMATION: Xaa = Leu, Thr or Ile
85  <220> FEATURE:
86  <221> NAME/KEY: MISC_FEATURE
87  <222> LOCATION: (8)..(8)
88  <223> OTHER INFORMATION: Xaa = Leu, Thr, Ile or Gln
90  <220> FEATURE:
91  <221> NAME/KEY: MISC_FEATURE
92  <222> LOCATION: (9)..(9)
93  <223> OTHER INFORMATION: Xaa = Leu, Thr, Ile or Gln
95  <400> SEQUENCE: 2

97 Xaa Xaa Xaa Xaa Tyr Xaa Xaa Xaa Xaa
98 1               5
100 <210> SEQ ID NO: 3
101 <211> LENGTH: 9
102 <212> TYPE: PRT
103 <213> ORGANISM: Artificial Sequence
105 <220> FEATURE:
106 <223> OTHER INFORMATION: Synthetic Peptide
108 <400> SEQUENCE: 3

110 Glu Glu Glu Glu Tyr Phe Phe Ile Ile
111 1               5
114 <210> SEQ ID NO: 4
115 <211> LENGTH: 9
116 <212> TYPE: PRT
117 <213> ORGANISM: Artificial Sequence
118 <220> FEATURE:
119 <223> OTHER INFORMATION: Synthetic Peptide
120 <400> SEQUENCE: 4

124 Lys Leu Ile Leu Tyr Leu Leu Leu Leu
125 1               5
128 <210> SEQ ID NO: 5
129 <211> LENGTH: 13
130 <212> TYPE: PRT
131 <213> ORGANISM: Artificial Sequence
132 <220> FEATURE:
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RAW SEQUENCE LISTING   DATE: 12/31/2001
PATENT APPLICATION: US/10/017,672   TIME: 12:47:15

Input Set : A:\582316_1.txt
Output Set: N:\CRF3\12312001\J017672.raw

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138 Glu Glu Glu Glu Tyr Phe Phe Ile Ile Ala Lys Lys Lys
139 1               5                  10
142 <210> SEQ ID NO: 6
143 <211> LENGTH: 13
144 <212> TYPE: PRT
145 <213> ORGANISM: Artificial Sequence
147 <220> FEATURE:
148 <223> OTHER INFORMATION: Synthetic Peptide
150 <400> SEQUENCE: 6
152 Lys Leu Ile Leu Tyr Leu Leu Leu Leu Ala Lys Lys Lys
153 1               5                  10
156 <210> SEQ ID NO: 7
157 <211> LENGTH: 4
158 <212> TYPE: PRT
159 <213> ORGANISM: Artificial Sequence
161 <220> FEATURE:
162 <223> OTHER INFORMATION: Synthetic Peptide
164 <400> SEQUENCE: 7
166 Ala Lys Lys Lys
167 1
170 <210> SEQ ID NO: 8
171 <211> LENGTH: 13
172 <212> TYPE: PRT
173 <213> ORGANISM: Artificial Sequence
175 <220> FEATURE:
176 <223> OTHER INFORMATION: Synthetic Peptide
178 <400> SEQUENCE: 8
180 Glu Leu Ile Leu Tyr Leu Leu Leu Leu Ala Lys Lys Lys
181 1               5                  10
184 <210> SEQ ID NO: 9
185 <211> LENGTH: 9
186 <212> TYPE: PRT
187 <213> ORGANISM: Artificial Sequence
189 <220> FEATURE:
190 <223> OTHER INFORMATION: Synthetic Peptide
192 <400> SEQUENCE: 9
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196 1               5
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199 <211> LENGTH: 8
200 <212> TYPE: PRT
201 <213> ORGANISM: Artificial Sequence
203 <220> FEATURE:
204 <223> OTHER INFORMATION: Synthetic Peptide
206 <400> SEQUENCE: 10
208 Leu Ile Leu Tyr Leu Leu Leu Leu
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RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/017,672

DATE: 12/31/2001
TIME: 12:47:15

Input Set : A:\582316_1.txt
Output Set: N:\CRF3\12312001\J017672.raw

214 <212> TYPE: PRT
215 <213> ORGANISM: Artificial Sequence
217 <220> FEATURE:
218 <223> OTHER INFORMATION: Synthetic Peptide
220 <400> SEQUENCE: 11
222 Arg Gln Ile Lys Ile Trp Phe Gln Asn Arg Arg Met Lys Trp Lys Lys
223 1   5   10   15
226 <210> SEQ ID NO: 12
227 <211> LENGTH: 25
228 <212> TYPE: PRT
229 <213> ORGANISM: Artificial Sequence
231 <220> FEATURE:
232 <223> OTHER INFORMATION: Synthetic Peptide
234 <400> SEQUENCE: 12
236 Arg Gln Ile Lys Ile Trp Phe Gln Asn Arg Arg Met Lys Trp Lys Lys
237 1   5   10   15
239 Lys Leu Ile Leu Phe Leu Leu Leu Leu
240   20   25
243 <210> SEQ ID NO: 13
244 <211> LENGTH: 3
245 <212> TYPE: PRT
246 <213> ORGANISM: Artificial Sequence
248 <220> FEATURE:
249 <223> OTHER INFORMATION: Synthetic Peptide
251 <220> FEATURE:
252 <221> NAME/KEY: MISC_FEATURE
253 <222> LOCATION: (1)..(1)
254 <223> OTHER INFORMATION: Xaa = any amino acid except the non-degenerate
phosphorylatable amino acid selected from the group consisting of Tyr, Ser and Thr
256 <220> FEATURE:
257 <221> NAME/KEY: MISC_FEATURE
258 <222> LOCATION: (1)..(1)
259 <223> OTHER INFORMATION: Xaa = from one through ten amino acids in length
261 <220> FEATURE:
262 <221> NAME/KEY: MISC_FEATURE
263 <222> LOCATION: (2)..(2)
264 <223> OTHER INFORMATION: Xaa = non-degenerate phosphorylatable amino acid selected
from the group consisting of Tyr, Ser and Thr
266 <220> FEATURE:
267 <221> NAME/KEY: MISC FEATURE
268 <222> LOCATION: (3)..(3)
269 <223> OTHER INFORMATION: Xaa = any amino acid except the non-degenerate
phosphorylatable amino acid selected from the group consisting of Tyr, Ser and Thr
271 <220> FEATURE:
272 <221> NAME/KEY: MISC FEATURE
273 <222> LOCATION: (3)..(3)

[handwritten annotations: "variable length not permitted - see item 5 on Error Summary Sheet", "item 5"]

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284  <212> TYPE: PRT
285  <213> ORGANISM: Artificial Sequence
287  <220> FEATURE:
288  <223> OTHER INFORMATION: Synthetic Peptide
290  <220> FEATURE:
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292  <222> LOCATION: (1)..(1)
293  <223> OTHER INFORMATION: Xaa = any amino acid except Tyr
295  <220> FEATURE:
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298  <223> OTHER INFORMATION: Xaa = from one through ten amino acids in length
300  <220> FEATURE:
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302  <222> LOCATION: (3)..(3)
303  <223> OTHER INFORMATION: Xaa = any amino acid except Tyr
305  <220> FEATURE:
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307  <222> LOCATION: (3)..(3)
308  <223> OTHER INFORMATION: Xaa = from one through ten amino acids in length
310  <400> SEQUENCE: 14
312  Xaa Tyr Xaa
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316  <210> SEQ ID NO: 15
317  <211> LENGTH: 3
318  <212> TYPE: PRT
319  <213> ORGANISM: Artificial Sequence
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324  <220> FEATURE:
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326  <222> LOCATION: (1)..(1)
327  <223> OTHER INFORMATION: Xaa = any amino acid except Tyr or Cys
329  <220> FEATURE:
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331  <222> LOCATION: (1)..(1)
332  <223> OTHER INFORMATION: Xaa = from one through ten amino acids in length
334  <220> FEATURE:
335  <221> NAME/KEY: MISC_FEATURE
336  <222> LOCATION: (3)..(3)
337  <223> OTHER INFORMATION: Xaa = any amino acid except Tyr or Cys
339  <220> FEATURE:
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341  <222> LOCATION: (3)..(3)
342  <223> OTHER INFORMATION: Xaa = from one through ten amino acids in length
344  <400> SEQUENCE: 15
346  Xaa Tyr Xaa
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W--> 312 Xaa Tyr Xaa

W > 346 Xaa Tyr Xaa

Item 5

VERIFICATION SUMMARY   DATE: 12/31/2001
PATENT APPLICATION: US/10/017,672   TIME: 12:47:16

Input Set : A:\582316_1.txt
Output Set: N:\CRF3\12312001\J017672.raw

L:13 M:270 C: Current Application Number differs, Replaced Current Application Number
L:43 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:97 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:278 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:312 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
L:346 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:380 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:404 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17
L:438 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18
L:472 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19
L:506 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20
L:540 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21
L:574 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22
L:608 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23